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STIC Biotechnology Systems Branch



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/530,073
Source: PG/10
Date Processed by STIC: 1/18/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Please mail this report with the notice
[Signature]

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/530,073

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.
- 4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text**.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for **each** skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/530,073

DATE: 01/18/2006

TIME: 15:17:55

Input Set : A:\AM101125.txt

Output Set: N:\CRF4\01182006\J530073.raw

3 <110> APPLICANT: Nair, Venugopal K.
 4 Baigent, Susan J.
 5 Currie, Richard J.
 7 <120> TITLE OF INVENTION: Assay Methods for Detection of a Virus in an Avian Tissue

Sample

9 <130> FILE REFERENCE: AM101125
 11 <140> CURRENT APPLICATION NUMBER: 10/530,073
 12 <141> CURRENT FILING DATE: 2005-04-01
 14 <160> NUMBER OF SEQ ID NOS: 9
 16 <170> SOFTWARE: PatentIn version 3.2
 18 <210> SEQ ID NO: 1

pp 1-2
Does Not Comply
Corrected Diskette Needed

19 <211> LENGTH: 26
 20 <212> TYPE: DNA
 21 <213> ORGANISM: DNA Probe
 23 <400> SEQUENCE: 1
 24 agaccctgat gatccgcatt gcgact

invalid <213> response - see item 10 on Euro

summary sheet

26

27 <210> SEQ ID NO: 2
 28 <211> LENGTH: 21
 29 <212> TYPE: DNA
 30 <213> ORGANISM: Synthetic DNA Primer
 32 <400> SEQUENCE: 2

same euro

21

33 ggtctggtgg tttccaggtg a
 36 <210> SEQ ID NO: 3
 37 <211> LENGTH: 21
 38 <212> TYPE: DNA

39 <213> ORGANISM: DNA Probe
 41 <400> SEQUENCE: 3

42 gcatagacga tgtgctgctg a
 45 <210> SEQ ID NO: 4

21

46 <211> LENGTH: 24
 47 <212> TYPE: DNA

48 <213> ORGANISM: DNA Probe
 50 <400> SEQUENCE: 4

51 tacttcctat atagattgag acgt
 54 <210> SEQ ID NO: 5

24

55 <211> LENGTH: 24
 56 <212> TYPE: DNA

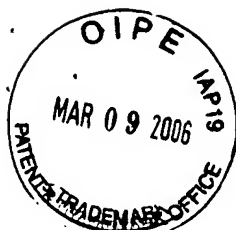
57 <213> ORGANISM: DNA Probe
 59 <400> SEQUENCE: 5

60 gagatcctcg taaggtgtaa tata
 63 <210> SEQ ID NO: 6

24

64 <211> LENGTH: 19
 65 <212> TYPE: DNA

66 <213> ORGANISM: DNA Probe



RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/530,073

DATE: 01/18/2006

TIME: 15:17:55

Input Set : A:\AM101125.txt

Output Set: N:\CRF4\01182006\J530073.raw

68 <400> SEQUENCE: 6
 69 cactgccact gggctctgt
 72 <210> SEQ ID NO: 7
 73 <211> LENGTH: 21
 74 <212> TYPE: DNA
 75 <213> ORGANISM: DNA Probe
 77 <400> SEQUENCE: 7
 78 gcaatggcaa taaacctcca a
 81 <210> SEQ ID NO: 8
 82 <211> LENGTH: 27
 83 <212> TYPE: DNA
 84 <213> ORGANISM: Synthetic DNA Primer
 86 <400> SEQUENCE: 8
 87 agtctggaga agtctgtgca gctcca
 90 <210> SEQ ID NO: 9
 91 <211> LENGTH: 2466
 92 <212> TYPE: DNA
 93 <213> ORGANISM: DNA
 95 <400> SEQUENCE: 9
 96 gaattcgggtg atataaagac gatagtcattg catgacgtgg ggggctggat cgactgatat
 98 ctaatgggttc gggagtata cggagacggg gggggggggg aaatgatcga tttataccta
 100 cctcttaaat aaactattgc tcctttataa aatgacaggt gaattgtgac cgcttcgcaa
 102 cgtgtaattc ttcaataactt tcgggtctgt ggggtgtgct tttttaatta ttattttggt
 104 tcggggaggt tgggtgctgga atgttaagaa taaattccgc acactgattc ctaggcaggc
 106 gtctcttgca ggtgtatacc agggagaagg cgggcacggg acagggtgtaa agagatgtct
 108 caggagccag agccggggcgc tatgccctac agtcccgtg acgatccgtc cccctcgat
 110 ctttctctcg ggtcgacttc gagacggaaa aaaaggaaaa gtcacgacat ccccaacagc
 112 ccctccaaac accccttccc tgacggccta tctgaggagg agaaacagaa gctggaaagg
 114 aggagaaaaa ggaatcgtga cgccgctcgg agaagacgca ggaagcagac ggactatgta
 116 gacaaactcc atgaagcatg tgaagagctg cagagggcca atgaacacct acgtaaggaa
 118 attcgagatc taaggactga gtgcacgtcc ctgctgttac agttggcttg tcatgagcca
 120 gtttgcccta tggcgggtacc cctaaccgtg acccttgga tgettaccac cccgcacgat
 122 cccgttctcg aacctcccat ttgcactcct ccacctcct caccggatga acctaacgct
 124 ccacattgct ccggttccca acctcctatc tgtaccccc ctcctccga tacggaggaa
 126 ctttgccccc agctctgttc gacccaccca cctccatct ctactcccca tattatctac
 128 gctccggggc ctccccccct ccaacctcct atctgtacct cccctcctcc cgatgcggag
 130 gagctttgag cccagctctg ctgcacccca ccacctccca tctgtactcc ccattccctc
 132 ttctgccctc cccagcctcc atctccggag ggaatcttcc ctgcattgtg tctgtttacc
 134 gagccgtgta cccctccatc gccggggacg gtttacgctc agctttgtcc tgttgccag
 136 gctccccctt ttaccccatc tccccacat ccggtccgg agccggagag gctttatgct
 138 cgtcttaccg aggatccga acaggattcc ttgtattcgg gccagattta tattcagttt
 140 ccctcggata ctcatgtctac ggtctggtgg tttccagggt acgggagacc ctgatgatcc
 142 gcattgcgac tctcagcagc acatcgtcta tgccccatgt ttcttctccc ctagtatat
 144 ataatagttt tcatagtttc gggaagatca acataaagga aagggttaaa ggcattattt
 146 atcgatttac tgacataaaa aaatcctctg gggtaacaaa ttttccctta ccgtgtagct
 148 tagactcgga agaactatct taagttacat ggtcaaaaaga tttgttggt ccaggagtcc
 150 cgaagtatga gataaactta gctatgtgga aaacttctgg ggcaacatct ctcgcccca
 152 gactgcttaa atggcaaat ctcgttctat acagaacggg tggggagggg gggggggggg
 154 gtatatggag tattattcgg gatatggctt ctatgaagct gcggtaagtt ttccaggctc

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1740

1800

not only is this an invalid response,
 this wouldn't be a sufficient explanation
 for

(213) Artificial
 Sequence

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/530,073

DATE: 01/18/2006

TIME: 15:17:55

Input Set : A:\AM101125.txt

Output Set: N:\CRF4\01182006\J530073.raw

156	aaaaactatg	cctgggctggt	tttttttttta	gaagggatat	ggacatcgca	cattaaggaa	1860
158	tattaaagat	aacaggatgg	acattcggat	gtaaaaggaa	taagcgaaac	ctttagcaga	1920
160	tgtgagttaa	tgcagtctcg	tataattcgg	tgggtgctgat	taggttatcg	taaggaacaa	1980
162	cacgattgat	ctctcatccg	cgtcccagca	atcaggccta	tgtccctctc	ctgtggccag	2040
164	ctcactggct	gtgcactgtg	cgattctaag	tgctacagtc	gtgagcagat	caatggatcg	2100
166	gggctcgcg	aacactactg	taattaaata	ttcgtttatg	aattatgcaa	atatgcacag	2160
168	ataatatata	cagggatgca	cagacatact	cctatgcacc	gatacacagg	cacataggca	2220
170	gatgtcgaca	ttaacgaata	tacaggcacg	gacctccagg	aacatatgga	aaatacctca	2280
172	tgcgagagac	gcttatgcag	gagtaatctg	cgtaaagtcg	ttactggatt	gtaacggcta	2340
174	tccggagact	ctcttccccct	tttgcttggt	cactgtgcgg	cattattaca	tttacaccgg	2400
176	taatgctgcg	catgaaagag	cgaacggaac	gaggctcgta	cgacattaca	agaatagttt	2460
178	gaattc						2466

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/530,073

DATE: 01/18/2006

TIME: 15:17:56

Input Set : A:\AM101125.txt

Output Set: N:\CRF4\01182006\J530073.raw